

## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Previously Presented) An application test management system that maintains fine-grained versioning of test cases and their relationship to software under test without sacrificing querying, filtering, and reporting, the system comprising:

a computer readable storage medium having stored thereon the following components executable by a processor:

a version component that detects versions of a source under test and versions of one or more test cases that test the source under test;

a test case file component that receives metadata that defines which versions of the one or more test cases test which versions of the source under test, and stores the metadata in an Extensible Markup Language (XML) file in conjunction with test results that are generated by executing the one or more test cases on the source under test, wherein metadata is also stored which indicates the version of the one or more test cases and the version of the source under test to which the test results correspond, the test case file component further storing attributes in the XML file that enable the querying of the test results; and

a transformation component that uses the attributes of the XML file to transform the XML file utilizing Extensible Stylesheet Language Transformations (XSLT) to enable the querying of the test results based on the version of the source under test and the version of the one or more test cases which correspond to the test results.

2. (Previously Presented) The system of claim 1, wherein the attributes include a pointer to the source under test.

3. (Previously Presented) The system of claim 1, wherein the attributes include a pointer to requirement for test data.

4. (Previously Presented) The system of claim 1, wherein the attributes include a pointer to requirement and/or configuration under test data.

5. (Previously Presented) The system of claim 1, wherein the attributes include a pointer to a test case.

6-10. (Canceled)

11. (Previously Presented) The system of claim 1, wherein the XML file is stored in a catalog with other XML files, and wherein the XML file has a hierarchical relationship with at least one of the other XML files.

12. (Previously Presented) The system of claim 11, wherein the test results are generated by a test execution component that executes the one or more test cases on the source under test.

13-16. (Canceled)

17. (Previously Presented) A test management methodology that maintains fine-grained versioning of test cases and their relationship to software under test without sacrificing querying, filtering, and reporting, the method comprising:

retrieving metadata that defines a version of source code and a version of one or more test cases that test the source code;

persisting the metadata to an XML file in conjunction with test results that are generated by executing the one or more test cases on the source code, wherein metadata is also stored which indicates the version of the one or more test cases and the version of the source code to which the test results correspond, and further persisting attributes in the XML file that enable querying of the test results; and

transforming the XML file utilizing XSLT and the attributes to enable a user to view at least one of exception patterns, trends, productivity, and success rates and management operations including at least one of selection, query, reporting, suit composition, and scheduling.

18. (Previously Presented) The method of claim 17, wherein the metadata that defines the versions of the source code and the one or more test cases is retrieved from a version component that monitors changes to the source code and the one or more test cases.

19. (Canceled)

20. (Previously Presented) The method of claim 17, wherein the attributes comprise a pointer to at least one of the source code, a requirement under test, or a configuration under test.

21. (Canceled)

22. (Original) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 17.

23. (Previously Presented) A testing methodology that maintains fine-grained versioning of test cases and their relationship to software under test without sacrificing querying, filtering, and reporting, the method comprising:

- loading a test case in accordance with a test case file stored in a source file;
- executing the test case on a source code under test;
- generating test results, wherein the test results are version tagged to indicate the relationships between test results, version of the test case, and version of the source code under test;
- saving the test results to an XML file, wherein the XML file stores metadata that defines the version of the source code and the version of the test case which were executed to generate the test results, and wherein the XML file further stores pointers to the version of the source code and the version of the test case; and
- employing XSLT to transform the XML file into an in memory representation of a database that enables the test results to be queried.

24. (Canceled)

25. (Original) The method of claim 23, further comprising publishing the test results to an enterprise data store.

26. (Canceled)

27. (Original) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 23.